

REMARKS

Claims 1-5 and 7-23 are presently pending, of which claims 1, 12 and 23 are independent. Claims 1, 12 and 23 have been amended. Support for the amendments can be found at least at page 3, lines 22-27 and page 5, lines 28-30. No new matter has been added. Applicant believes that the claims are patentable and in condition for allowance as discussed below. Applicant respectfully requests reconsideration of the outstanding rejections in view of the comments set forth below.

I. Rejection of Claims 1-5, 7-19 and 21-23 under 35 U.S.C. §103

Claims 1-5, 7-19 and 21-23 have been rejected under 35 U.S.C. §103(a) as being anticipated by “MATLAB Report Generator” by Mathworks, Inc (hereafter “MATLAB reference”) in view of U.S. Patent No. 5,708,825 to Sotomayor (hereafter “Sotomayor”).

A. Claim 1

Claim 1, as amended, recites:

A computer-implemented method comprising:

performing, using the computer, an analysis or synthesis operation on an executable graphical model representation that includes at least one executable graphical object;

producing, using the computer, a report from the analysis or synthesis operation;

generating, using the computer, one or more tags for one or more executable graphical objects of the executable graphical model representation provided in an executable graphical model editor program while producing the report;

associating, using the computer, the one or more tags with one or more executable graphical objects of the executable graphical model representation while producing the report;

associating, using the computer, the one or more tags associated with an executable graphical object with portions of the produced report corresponding to the executable graphical object while producing the report, **wherein associating creates a selectable connection from the executable graphical object provided in the executable graphical model editor program to the portions of the produced report that correspond to the executable graphical object, the produced report provided in a document viewer as textual content;**

completing, using the computer, production of the report;

receiving, using the computer, a selection of an executable graphical object in the executable graphical model representation upon completing the production of the report; and

displaying, using the computer, a location in the report corresponding to the selected executable graphical object in response to the selection on a display device.

As indicated by the Examiner, the MATLAB reference does not disclose or suggest *generating, using the computer, one or more tags for one or more graphical objects of the graphical model representation while producing the report* and that *associating creates a selectable connection from the graphical object to the portions of the produced report that correspond to the graphical object*. The Examiner relies on Sotomayor to find these claim elements. Applicants respectfully submit that Sotomayor fails at curing the shortcomings of the MATLAB reference because Sotomayor is silent about creating a link between an executable graphical object provided in an executable graphical model editor program and portions of a report provided in a document viewer as textual content, as now provided in claim 1.

Applicants amend claim 1 to further define where the graphical model and the report are provided. The present application provides *a selectable connection from the executable graphical object provided in the executable graphical model editor program to the portions of the produced report*, i.e. a text document, *provided in a document viewer as textual content*. Accordingly, the present application uses the executable/simulatable graphical model representation as a navigation tool for the report. This approach is an alternative to browsing a structural index of the report or performing some type of text search on the report itself. These latter techniques are tedious by comparison to the technique of the present application. According to the present application, the user may scan through a familiar graphical representation of a design, i.e., *the executable graphical object*, and quickly access desired information, i.e. *portions of the produced report that correspond to the executable graphical object* (Specification, page 5, ¶ 1).

Applicants respectfully submit that the MATLAB reference, alone or in any reasonable combination with Sotomayor, does not disclose or suggest *generating, using the computer, one or more tags for one or more executable graphical objects of the executable graphical model representation provided in an executable graphical model editor program while producing the report* and that *associating creates a selectable connection from the executable graphical*

object provided in the executable graphical model editor program to the portions of the produced report that correspond to the executable graphical object, the produced report provided in a document viewer as textual content, as recited in amended claim 1.

Sotomayor discusses scanning one or more documents, identifying significant key topics, concepts, and phrases in the documents, and creating summary pages for, and hyperlinks between, these key topics. Sotomayor also discusses segmenting of documents in order to display only the needed segment of a hyperlinked-to document (Col. 4, lines 11-21). Sotomayor creates summary pages containing information from selected documents, and hyperlinks into the documents. Summary pages are pages which are typically viewed using a web browser program and which contain lists of key topics and hyperlinks to places in the selected documents where the key topics appear (Col. 4, lines 31-39). Sotomayor further indicates that the source and destination ends of hyperlinks are coupled to anchors such as a portion of text, an icon or a picture, so they are anchored to a specific portion of text or to a specific icon or picture displayed on a computer screen, rather than being associated with a specific address in a file (Col. 5, lines 33-37).

Sotomayor fails to disclose or suggest that the graphic, i.e. an icon or a picture, is ***provided in an executable graphical model editor program***, as recited in Applicants' claim 1. Sotomayor discusses the concept of hyperlinks in general. Sotomayor creates summary pages with links to portions of documents that are relevant, for example, for a search query. Sotomayor is silent about a ***selectable connection from the executable graphical object provided in the executable graphical model editor program to the portions of the produced report that correspond to the executable graphical object, the produced report provided in a document viewer as textual content***.

Accordingly, for at least the reasons presented above, Applicant respectfully submits that the MATLAB reference, alone or in any reasonable combination with Sotomayor, does not disclose or suggest each and every element of claim 1. Applicant respectfully requests the Examiner to reconsider and withdraw the rejection of claim 1 under 35 U.S.C. § 103(a).

B. Claims 2-5 and 7-11

Claims 2-5 and 7-11 depend from independent claim 1 and, as such, incorporate all of the elements of claim 1. Accordingly claims 2-5 and 7-11 are allowable for at least the reasons set forth above with respect to claim 1. Applicant respectfully requests the Examiner to reconsider and withdraw the rejection of claims 2-5 and 7-11 under 35 U.S.C. § 103(a).

C. Claims 12-19 and 21-23

Independent claims 12 and 23 recite similar features to claim 1. Specifically, independent claim 12 recites *means for generating one or more tags for one or more simulatable graphical objects of the simulatable graphical model representation provided in a simulatable graphical model editor program while producing the report* and that *associating creates a selectable connection from the simulatable graphical object provided in the simulatable graphical model editor program to the portions of the produced report that correspond to the simulatable graphical object, the produced report provided in a document viewer as textual content.*

Independent claim 23 recites *generate one or more tags for one or more simulatable graphical objects of the simulatable graphical model representation provided in a simulatable graphical model editor program while producing the report* and that *associating creates a selectable connection from the simulatable graphical object provided in the simulatable graphical model editor program to the portions of the produced report that correspond to the simulatable graphical object, the produced report provided in a document viewer as textual content.*

In light of the arguments presented above in connection with claim 1, Applicant respectfully submits that the MATLAB reference, alone or in any reasonable combination with Sotomayor, does not disclose or suggest each and every element of claims 12 and 23. Claims 13-19 and 21-22 depend from independent claim 12 and, as such, incorporate all of the elements of claim 12. Accordingly claims 13-19 and 21-22 are allowable for at least the reasons set forth above with respect to claim 12. Applicant respectfully requests the Examiner to reconsider and withdraw the rejection of claims 12-19 and 21-23 under 35 U.S.C. § 103(a).

II. Rejection of Claim 20 under 35 U.S.C. § 103

Claim 20 has been rejected under 35 U.S.C. §103(a) as being obvious over the MATLAB reference in view of Sotomayor and in further view of U.S. Patent Number 7,015,911 to Shaughnessy et al (hereafter “Shaughnessy”).

Claim 20 depends from independent claim 12 and, as such, incorporates all of the elements of claim 12.

The Examiner cites Shaughnessy for the teaching of generating a report in PDF format. Shaughnessy merely concerns providing a graphical representation of data gathered from various databases. Shaughnessy generally discusses generating a report from a plurality of data sources. A data source specification indicates the data to be retrieved from the data sources so that the report may be generated based upon the extracted data. A view specification indicates how the data is to be visually represented within the report (Abstract).

Shaughnessy is silent about a simulatable graphical model representation having one or more simulatable graphical objects. Specifically, Shaughnessy, alone or in any reasonable combination with the MATLAB reference and Sotomayor, does not disclose or suggest *means for generating one or more tags for one or more simulatable graphical objects of the simulatable graphical model representation provided in a simulatable graphical model editor program while producing the report* and that *associating creates a selectable connection from the simulatable graphical object provided in the simulatable graphical model editor program to the portions of the produced report that correspond to the simulatable graphical object, the produced report provided in a document viewer as textual content*, as provided in Applicant’s claim 12.

Accordingly, Applicant respectfully requests the Examiner to reconsider and withdraw the rejection of claim 20 under 35 U.S.C. § 103(a).

CONCLUSION

In light of the above amendments and arguments, Applicant respectfully submits that all of the pending claims are in condition for allowance. Should the Examiner feel that a teleconference would expedite the prosecution of this application, the Examiner is urged to contact the Applicant's attorney at (617) 227-7400.

Please charge any shortage or credit any overpayment of fees to our Deposit Account No. 12-0080, under Order No. MWS-059RCE2. In the event that a petition for an extension of time is required to be submitted herewith, and the requisite petition does not accompany this response, the undersigned hereby petitions under 37 C.F.R. §1.136(a) for an extension of time for as many months as are required to render this submission timely. Any fee due is authorized to be charged to the aforementioned Deposit Account.

Dated: February 18, 2010

Respectfully submitted,

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